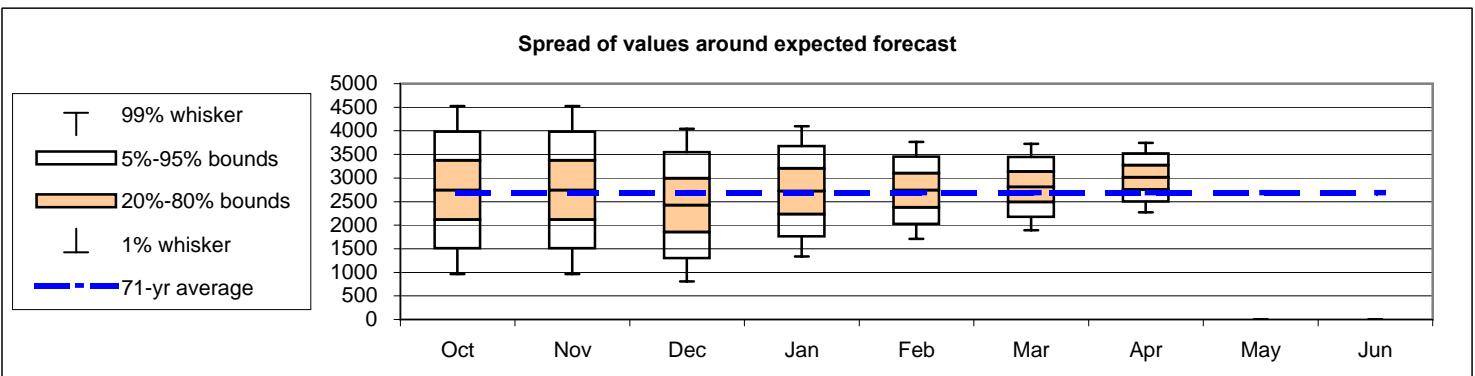


Dworshak : April Runoff Forecast & Flood Control Calculation

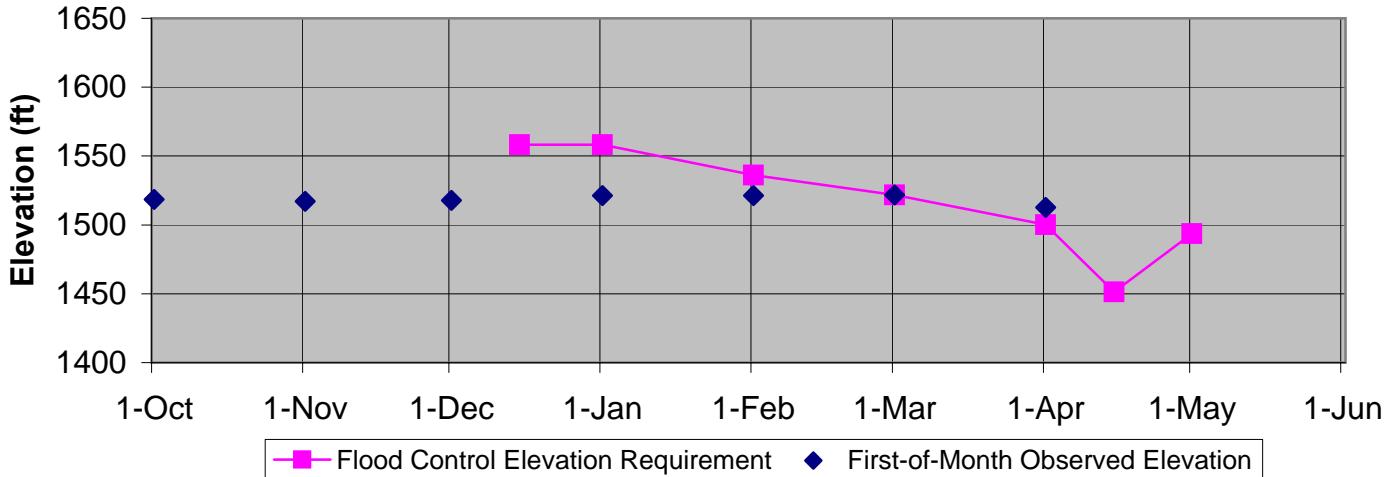
WY 2008

Runoff Forecast and Non-Shifted Flood Control				1929-1999 Average	Percent of Average				
Most Probable Runoff Volume	Apr-Jul	3010	KAF	2683	112%				
	May-Jul	2221	KAF	1980	112%				
30-Apr Flood Control Space				1544	KAF				
30-Apr Flood Control Elevation				1493.7	ft				
<i>Seasonal Flood Control (assumes no shift of flood control space to Grand Coulee)</i>									
Forecast Date>>	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Apr-Jul Runoff Forecast	2744	2744	2425	2717	2738	2810	3010		
First-of-Month Elev	1518.4	1517.1	1517.7	1521.2	1521.3	1521.8	1512.6		
Date >>	15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr		
Flood Control Space	--	700	700	1015	1206	1473	1958	1544	
Flood Control Elevation	--	1558.2	1558.2	1536.1	1521.8	1500.1	1451.3	1493.7	



Dworshak Flood Control Elevations - 2008

Latest water supply forecast: Apr



- Notes:
- The given forecast is the official Corps of Engineers forecast for Dworshak. If you have any questions please contact Ken Soderlind (503 808-3950), Patti Low (503 808-3958), or John McCoskery (503 808-3951).
 - Due to updated values for precipitation, snow or streamflow, subsequent forecasts may be different from the forecast published herein.
 - 15-Dec and 31-Dec flood control space is fixed at 700 KAF.
 - 15-Apr target elevation does not reflect flood control shift operation between Dworshak and Grand Coulee.
 - 30-Apr target elevation may vary as runoff occurs throughout the month of April.

Dworshak : April Runoff Forecast & Flood Control Calculation

Apr-Jul Runoff Forecast Calculation:

Variable	Month	Observed Value	% of Average	Regression Coefficient	Marginal Runoff (KAF)
		A	B	=A*B	
SOI	Sep	0.20		114.61	22.9
Elk Butte SWE	1-Apr	48.70	120%	14.98	729.4
Hemlock Butte SWE	1-Apr	59.00	121%	15.43	910.3
Hoodoo Basin SWE	1-Apr	51.40	113%	14.46	743.2
Shanghai Summit SWE	1-Apr	38.20	145%	16.82	642.5
DWR January Inflow	Jan	86.68	43%	0.860	74.5
DWR February Inflow	Feb	107.90	39%	0.150	16.2
DWR March Inflow	Mar	198.10	50%	0.406	80.4
Intercept		1		-209.67	-209.7
		1-Apr Forecast (KAF)		\sum	3009.8

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	0.20								
Precipitation (monthly depth, inches)									
Headquarters, ID		3.40	8.63						
Snow Water Equiv (first of month SWE depth, inches)									
Elk Butte, ID			16.7	29.7	39.0	48.7	48.0	--	
Hemlock Butte, ID			19.6	34.0	45.0	59.0	63.8	--	
Hoodoo Basin, MT			21.5	32.7	43.0	51.4	63.8	--	
Pierce RS, ID			4.0	8.9	11.7				
Shanghai Summit, ID						38.2	55.0		
Lost Lake, ID							55.0	--	
Streamflow (monthly volume, KAF)			Jan	Feb	Mar	Apr	May	Jun	
Dworshak Inflow			87	108	198	200	--	--	